

VSR CIVIL INFRA PVT. LTD.

Engineering Project Consultants

Job No.: VSR/BBMP/KRIDL/W.No.03/2019-20

Date: 24.12.2019

TEST REPORT

CLIENT	:	Executive Engineer, Yelahanka Division, BBMP, Bengaluru.
AGENCY	:	M/s. Technical Manager (West), KRIDL, Bengaluru
NAME OF THE WORK	:	Construction of RCC drains and culverts at Best county-II and III and G-Ramaiah layout, sai Archid and surrounding area in ward no: 03 Yelahanka satellite Town Sub division
SAMPLE ID	:	Cement (Ultratech - OPC 53 Grade)
DATE OF MANUFACTURE	:	November - 2019
DATE OF TESTING	:	22.12.2019 to 24.12.2019
SAMPLES SUPPLIED BY	:	AGENCY

The results of the tests conducted on the cement sample are as follows:

SLNo	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 12269-1987
1	a) Initial Setting Time	IS-4031 (Part -5)	140 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5)	435 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part 3) by the Le-Chatelier method	1 mm	Not more than 10 mm
3	Standard Consistency	IS-4031 (Part -4)	28.50 %	-

Note:

- ⇒ The report shall not be reproduced, except in full, without the written approval of the laboratory.
- ⇒ The results indicated above are based on the tests carried out on the samples received in the laboratory.
- ⇒ Any Query regarding the report must be reported within 30 days from the date of testing.

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VSR CIVIL INFRA PVT. LTD.

Engineering Project Consultants

Job No.: VSR/BBMP/KRIDL/W.No.03/2019-20

Date: 26.12.2019

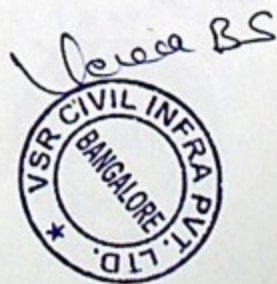
TEST RESULTS OF PHYSICAL PROPERTIES OF REINFORCEMENT STEEL

Client : Executive Engineer, Yelahanka Division, BBMP, Bengaluru.
Agency : M/s. Technical Manager (West), KRIDL, Bengaluru
Name of Work : Construction of RCC drains and culverts at Best county-II and III and G-Ramaiah layout, sai Archid and surrounding area in ward no: 03 Yelahanka satellite Town Sub division, BBMP, Bangalore.
Sample Identification : 8mm,10mm,12mm Fe 500 TMT Bars
Technical Reference : IS 1786:2008, IS 1608:2005, IS 1599:1985 (Reaffirmed 2006)
Date of test : 26.12.2019

S.No	Brand	Nominal size (dia in mm)	Mass per metre (kg/metre)	TENSILE STRENGTH		
				0.20 % proof stress/ yield stress (N/mm ²)	Tensile strength (N/mm ²)	Elongation, percent on gauge length
1	Fe 500	8	0.33	536	545	14.5
2	Fe 500	10	0.65	549	558	15
3	Fe 500	12	0.84	562	571	15.5
4	Fe 500	16	1.56	575	584	16

Remarks:

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VSR CIVIL INFRA PVT. LTD.

Engineering Project Consultants

Job No.: VSR/BBMP/KRIDL/W.No.03/2019-20

Date: 16.01.2020

PRECAST SLAB 100mm Thick(CORE) TEST REPORT

Client : Executive Engineer, Yelahanka Division, BBMP, Bengaluru.
Contractor : M/s. Technical Manager (West), KRIDL, Bengaluru
Name of Work : Construction of RCC drains and culverts at Best county-II and III and G-Ramaiah layout, sai Archid and surrounding area in ward no: 03 Yelahanka satellite Town Sub division, BBMP, Bangalore.
No. of Sample Tested : 03
Date of Testing : 16.01.2020
Technical Reference : IS:516-1959 (Reaffirmed 1999), SP-24:1983.
Grade of Concrete : M₂₀

Sl. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m ³)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm ²)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm ²)	Equivalent Cube Compressive Strength (N/mm ²)
1	50.00	74.00	0.338	2326.24	1.48	0.960	36.20	18.44	19.91	19.11	23.89
2	50.00	79.00	0.366	2359.52	1.58	0.960	34.80	17.72	19.14	18.38	22.97
3	50.00	84.00	0.394	2388.84	1.68	0.960	35.70	18.18	19.64	18.85	23.56

Note:

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VSR CIVIL INFRA PVT. LTD.

Engineering Project Consultants

Job No.: VSR/BBMP/KRIDL/W.No.03/2019-20

Date: 16.01.2020

PRECAST SLAB 250mm Thick(CORE) TEST REPORT

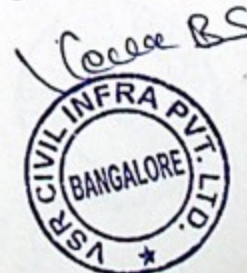
Client : Executive Engineer, K.R.Pura Division, BBMP, Bangalore.
Contractor : Executive Engineer - 5, KRIDL, Bangalore.
Name of Work : Construction of RCC drains and culverts at Best county-II and III and G-Ramaiah layout, sai Archid and surrounding area in ward no: 03 Yelahanka satellite Town Sub division, BBMP, Bangalore.
No.of Sample Tested : 03
Date of Testing : 16.01.2020
Technical Reference : IS:516-1959 (Reaffirmed 1999), SP-24:1983.
Grade of Concrete : M₂₀

Sl. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m ³)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm ²)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm ²)	Equivalent Cube Compressive Strength (N/mm ²)
1	100.00	170.00	3.125	2340.51	1.70	0.960	138.20	17.60	19.00	18.24	22.80
2	100.00	175.00	3.264	2374.77	1.75	0.960	140.50	17.89	19.32	18.55	23.18
3	100.00	180.00	3.391	2398.64	1.80	0.960	137.60	17.52	18.92	18.16	22.71

Note:

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VSR CIVIL INFRA PVT. LTD.

Engineering Project Consultants

Job No.: VSR/BBMP/KRIDL/W.No.03/2019-20

Date: 17.01.2020

KERB STONE (CORE) TEST REPORT

Client : Executive Engineer, Yelahanka Division, BBMP, Bengaluru.
Agency : M/s. Technical Manager (West), KRIDL, Bengaluru
Name of Work : Construction of RCC drains and culverts at Best county-II and III and G-Ramaiah layout, sai Archid and surrounding area in ward no: 03 Yelahanka satellite Town Sub division, BBMP, Bangalore.
No. of Sample Tested : 03
Date of Testing : 17.01.2020
Technical Reference : IS:516-1959 (Reaffirmed 1999), SP-24:1983.
Grade of Concrete : M₁₅

Sl. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m ³)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm ²)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm ²)	Equivalent Cube Compressive Strength (N/mm ²)
1	50.00	75.00	0.341	2315.60	1.50	0.960	24.90	12.68	13.70	13.15	16.44
2	50.00	80.00	0.369	2349.13	1.60	0.960	25.60	13.04	14.08	13.52	16.90
3	50.00	84.00	0.392	2376.71	1.68	0.960	26.30	13.39	14.47	13.89	17.36

Note:

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VSR CIVIL INFRA PVT. LTD.

VSR/BBMP/YNKD/W.No.03-001/2019-20

Date. 03.02.2020

CERTIFICATE

Division : Yelahanka

Sub Division : Yelahanka Satellite Town Sub Division

Ward No : 03

Ward Name : Attur

Job Code No: 003-20-000071

Name of Work : Construction of RCC Drains and Culverts at Best County-II and III and G Ramaiah layout, Sai Archid and surrounding area in Ward No .03 Yelahanka Satellite Town Sub Division.

Contractor Name : M/S. Technical Manager (West), KRIDL , Bangalore.

Work Order No :BBMP/EE/YNK.D/W.O/188/2019-20

Running Account Bill : 1st and Part Bill

BR No :

Amount : Rs.49,00,235.28

This is to certify that all the Items of Works have been carried out satisfactorily as per Specifications and Conform to MORTH.

for VSR Civil Infra Pvt. Ltd



(Authorized Signatory)

Project Management Consultants

VSR CIVIL INFRA PVT. LTD.
#552/B, 6th Main Road, Hanumanthanagar
Bengaluru-560019000

NAME OF THE WORK: Construction of RCC drain & Culvert @ Best Colony II & III & Ramalah layout, for arches & surrounding area in ward

PACKAGE :
Client : BBMP Bengaluru
Contractor : M/S KRIDL
Consultant : VSR CIVIL INFRA PVT. LTD. Bengaluru

Location :	@ Site	Age of the Cube :	7 Days
Part of the Structure :		Date of Casting :	30/12/2019
Grade of Concrete :	M10	Date of Testing :	06/01/2020

S.No	Cube No.	Weight of the Cube (g)	Size of the cube (cm x cm x cm)	Vol. of the cube (cm ³)	Test area (cm ²)	Failure Load (kN)	Compressive Strength (N/mm ²)	Average Compressive Strength (N/mm ²)
1	A	8125	15x15 x 15	3375	225	185	8.22	8.19 kN/mm ²
2	B	8130	15x15 x 15	3375	22.5	190	8.44	
3	C	8165	15x15 x 15	3375	22.5	178	7.91	
4								
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6								

Average Strength = 8.19 kN/mm²

Remarks:- Test Confirmed by the NORTH Specification.

Consultants representative

Contractor Representative

Client Representative

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VSR CIVIL INFRA PVT. LTD.
#552/B, 6th Main Road, Hanumantanagar
Bengaluru-560019000

NAME OF THE WORK: Construction of RCC drains & Culverts @ East County II & III & on Ramachandra layout for archid surrounding road 94 V. 003

PACKAGE :
 Client : BBMP Bengaluru
 Contractor : M/S KRIDL
 Consultant : VSR CIVIL INFRA PVT. LTD. Bengaluru

Location	: @ Site	Age of the Cube	: 7 Days
Part of the Structure	:	Date of Casting	: 30/12/2019
Grade of Concrete	: M10	Date of Testing	: 06/01/2020

S.No	Cube No.	Weight of the Cube (g)	Size of the cube (cm x cm x cm)	Vol. of the cube (cm ³)	Test area (cm ²)	Failure Load (kN)	Compressive Strength (N/mm ²)	Average Compressive Strength (N/mm ²)
1	A	8120	15 X 15 X 15	3375	22.5	175	7.77	8.14 kN/mm ²
2	B	8155	15 X 15 X 15	3375	22.5	185	8.22	
3	C	8203	15 X 15 X 15	3375	22.5	190	8.44	
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Average Strength = 8.14 kN/mm²

Remarks:- Test Confirmed by the NORTH Specification.



Consultant's Representative

Contractor Representative

Client Representative

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VSR CIVIL INFRA PVT. LTD.
#552/B, 6th Main Road, Hanumantanagar
Bengaluru-560019000

NAME OF THE WORK: Construction of RCC drain & Culverts @ Best Quality
 IT & III & on Ramaiah layout, Sarachid & surrounding area Du

PACKAGE : w. no 03
Client : BBMP Bengaluru
Contractor : M/S KRIOL
Consultant : VSR CIVIL INFRA PVT .LTD. Bengaluru

Location	: @ 894e	Age of the Cube	: 7 Days
Part of the Structure	:	Date of Casting	: 30/12/2019
Grade of Concrete	: M10	Date of Testing	: 06/01/2020

S.No	Cube No.	Weight of the Cube (g)	Size of the cube (cm x cm x cm)	Vol. of the cube (cm ³)	Test area (cm ²)	Failure Load (kN)	Compressive Strength (N/mm ²)	Average Compressive Strength (N/mm ²)
1	A	8185	15x15x15	3375	22.5	175	7.77	7.99 kN/mm ²
2	B	8145	15x15x15	3375	22.5	180	8.00	
3	C	8135	15x15x15	3375	22.5	185	8.22	
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Average Strength = 7.99 kN/mm²

Remarks:- Test Conformed by the MORTH Specification

Consultant's representative

Contractor Representative

Client Representative



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VSR CIVIL INFRA PVT. LTD.
#552/B, 6th Main Road, Hanumantanagar
Bengaluru-560019000

NAME OF THE WORK: Construction of Road & Drain @ Best Country
 & 8th & 9th Ramaiah layout & surrounding area 9u W. NO. 03

PACKAGE :
Client : BBMP Bengaluru
Contractor : M/S KRIOL
Consultant : VSR CIVIL INFRA PVT. LTD. Bengaluru

Location :	@ Site	Age of the Cube :	7 Days
Part of the Structure :		Date of Casting :	31/12/2019
Grade of Concrete :	M10	Date of Testing :	07/01/2020

S.No	Cube No.	Weight of the Cube (g)	Size of the cube (cm x cm x cm)	Vol. of the cube (cm ³)	Test area (cm ²)	Failure Load (kN)	Compressive Strength (N/mm ²)	Average Compressive Strength (N/mm ²)
1	A	8180	15x15x15	3375	22.5	185	8.22	8.20 KN/mm ²
2	B	1855	15x15x15	3375	22.5	190	8.44	
3	C	8210	15x15x15	3375	22.5	179	7.95	
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Average Strength = 8.20 KN/mm²

Remarks:- Test Confirmed by the NORTH Specification

Consultant Representative

Contractor Representative

Client Representative



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VSR CIVIL INFRA PVT. LTD.
#552/B, 6th Main Road, Hanumanthanagar
Bengaluru-560019000

NAME OF THE WORK: *Construction of RCC drains & Culverts @ Best County II & III, in Ramasah layout, Sai Archid & surrounding area in W.R.O*

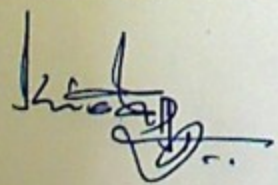
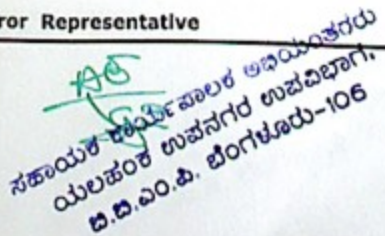
PACKAGE :
Client : BBMP Bengaluru
Contractor : M/S KRIDL
Consultant : VSR CIVIL INFRA PVT .LTD. Bengaluru

Location :	<i>@ Site</i>	Age of the Cube :	<i>7 Days</i>
Part of the Structure :		Date of Casting :	<i>31/12/2019</i>
Grade of Concrete :	<i>M10</i>	Date of Testing :	<i>07/01/2020</i>

S.No	Cube No.	Weight of the Cube (g)	Size of the cube (cm x cm x cm)	Vol.of the cube (cm ³)	Test area (cm ²)	Failure Load (kN)	Compressive Strength (N/mm ²)	Average Compressive Strength (N/mm ²)
1	A	8150	15 x 15 x 15	3375	22.5	185	8.22	8.20 kN/mm ²
2	B	8160	15 x 15 x 15	3375	22.5	190	8.44	
3	C	8200	15 x 15 x 15	3375	22.5	179	7.95	
4								
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Average Strength= *8.20 kN/mm²*

Remarks:-
Test Confirmed by the MORTH Specification

 Consultant Representative	 Contractor Representative	 Client Representative
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VSR CIVIL INFRA PVT. LTD.
#552/B, 6th Main Road, Hanumanthanagar
Bengaluru-560019000

NAME OF THE WORK: Construction of RCC drains & Culverts @ Best County
 III, 17 Ramaiah layout Sri archid surrounding area P.W.D.

PACKAGE :
Client : BBMP Bengaluru
Contractor : M/S KRIDL
Consultant : VSR CIVIL INFRA PVT. LTD. Bengaluru

Location :	@ Site	Age of the Cube :	28 Days
Part of the Structure :		Date of Casting :	30/12/2019
Grade of Concrete :	M10	Date of Testing :	27/01/2020

S.No	Cube No.	Weight of the Cube (g)	Size of the cube (cm x cm x cm)	Vol. of the cube (cm ³)	Test area (cm ²)	Failure Load (kN)	Compressive Strength (N/mm ²)	Average Compressive Strength (N/mm ²)
1	A	8120	15 x 15 x 15	3375	22.5	281	12.48	12.97 kN/mm ²
2	B	8165	15 x 15 x 15	3375	22.5	294	13.06	
3	C	8205	15 x 15 x 15	3375	22.5	301	13.37	
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Average Strength = 12.97 kN/mm²

Test Conformed by the MORTH Specification

Contractor Representative

Client Representative



Handwritten signature of Contractor Representative

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VSR CIVIL INFRA PVT. LTD.
#552/B, 6th Main Road, Hanumantanagar
Bengaluru-560019000

NAME OF THE WORK: Construction of RCC drains & Culverts @ Best
 Entry II & III & Ramoiah layout. Soil arching & surrounding area
 PACKAGE : Pu L. 60.3

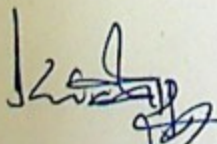
Contractor : BBMP Bengaluru
 Inspector : M/S KRIIDL
 Consultant : VSR CIVIL INFRA PVT. LTD. Bengaluru

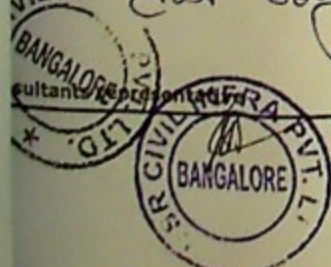
Location	: @ Site	Age of the Cube	: 28 Days
Level of the Structure	:	Date of Casting	: 30/12/2019
Level of Concrete	: M10	Date of Testing	: 27/01/2020

S.No	Cube No.	Weight of the Cube (g)	Size of the cube (cm x cm x cm)	Vol. of the cube (cm ³)	Test area (cm ²)	Failure Load (kN)	Compressive Strength (N/mm ²)	Average Compressive Strength (N/mm ²)
1	A	8155	15 x 15 x 15	3375	22.5	289	12.84	13.22 kN/mm ²
2	B	8190	15 x 15 x 15	3375	22.5	297	13.20	
3	C	1865	15 x 15 x 15	3375	22.5	307	13.64	
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Average Strength = 13.22 kN/mm²

Test Confirmed by the NORTH specification.

Contractor Representative:  Client Representative: 

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VSR CIVIL INFRA PVT. LTD.
#552/B, 6th Main Road, Hanumanthanagar
Bengaluru-560019000

NAME OF THE WORK: Construction of RCC drains & Culverts @ East-County
 to the Sen Ramoiah layout & surrounding area as per archd plan

PACKAGE :
Contractor : BBMP Bengaluru
Inspector : M/s KRIIDL
Consultant : VSR CIVIL INFRA PVT. LTD. Bengaluru

U. No. 03

Location	: @ Site	Age of the Cube	: 28 Days
Part of the Structure	:	Date of Casting	: 30/12/2019
Grade of Concrete	: M10	Date of Testing	: 27/01/2020

S.No	Cube No.	Weight of the Cube (g)	Size of the cube (cm x cm x cm)	Vol. of the cube (cm ³)	Test area (cm ²)	Failure Load (kN)	Compressive Strength (N/mm ²)	Average Compressive Strength (N/mm ²)
1	A	8180	15x15x15	3375	22.5	281	12.48	13.01 kN/mm ²
2	B	8215	15x15x15	3375	22.5	296	13.15	
3	C	8185	15x15x15	3375	22.5	302	13.42	
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Average Strength = 13.01 kN/mm²

Test Confirmed by the NORTH Specification

Contractor Representative

Client Representative



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VSR CIVIL INFRA PVT. LTD.
 #552/B, 6th Main Road, Hanumanthanagar
 Bengaluru-560019000

NAME OF THE WORK: Construction of RCC columns & Gullies @ Best
 County D & Co. Ramaraj Layout & 2nd arch & surrounding
PACKAGE :
 Client : BBMP Bengaluru
 Contractor : M/S KRIDL
 Consultant : VSR CIVIL INFRA PVT. LTD. Bengaluru

Location	: @ Site	Age of the Cube	: 28 Days
of the Structure	:	Date of Casting	: 31/12/2019
of Concrete	: M10	Date of Testing	: 28/01/2020

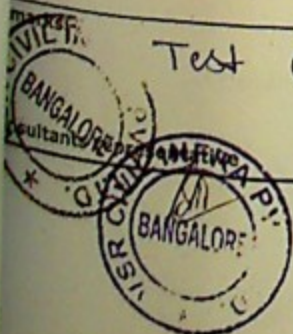
S.No	Cube No.	Weight of the Cube (g)	Size of the cube (cm x cm x cm)	Vol. of the cube (cm ³)	Test area (cm ²)	Failure Load (kN)	Compressive Strength (N/mm ²)	Average Compressive Strength (N/mm ²)
1	A	8120	15 x 15 x 15	3375	22.5	272	12.08	12.45 kN/mm ²
2	B	8155	15 x 15 x 15	3375	22.5	289	12.84	
3	C	8190	15 x 15 x 15	3375	22.5	280	12.44	
4								
5								
6								

Average Strength = 12.45 kN/mm²

Test Confirmed by the MORTH Specification

Contractor Representative

Client Representative



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 ಯಶವಂತ ಉಪನಗರ ಉಪವಿಭಾಗ,
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VSR CIVIL INFRA PVT. LTD.
#552/B, 6th Main Road, Hanumanthanagar
Bengaluru-560019000

NAME OF THE WORK: Construction of RCC drains & culverts @ Bed
entry II & III of Ramoloh layout & surrounding area in 12.00.03
PACKAGE :
Client : BBMP Bengaluru
Contractor : M/S KRIDL
Consultant : VSR CIVIL INFRA PVT. LTD. Bengaluru

Location	: @ Site	Age of the Cube	: 28 Days
of the Structure	:	Date of Casting	: 31/12/2019
Grade of Concrete	: M10	Date of Testing	: 28/01/2020

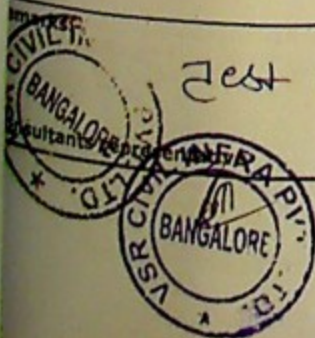
S.No	Cube No.	Weight of the Cube (g)	Size of the cube (cm x cm x cm)	Vol. of the cube (cm ³)	Test area (cm ²)	Failure Load (kN)	Compressive Strength (N/mm ²)	Average Compressive Strength (N/mm ²)
1	A	8105	15x15x15	3375	22.5	278	12.35	12.78 Kno/mm ²
2	B	8190	15x15x15	3375	22.5	286	12.71	
3	C	8210	15x15x15	3375	22.5	299	13.28	
4								
5								
6								

Average Strength = 12.78 Kno/mm²

Test Confirmed by the North Specification

Contractor Representative

Client Representative



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ಯಲಕಂಠ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಕೆ. ಬೆಂಗಳೂರು-198

VSR CIVIL INFRA PVT. LTD.
#552/B, 6th Main Road, Hanumanthanagar
Bengaluru-560019000

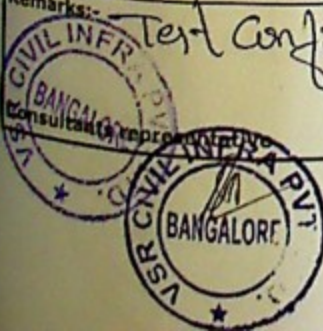
NAME OF THE WORK: Construction of RCC Drains & Culverts @ Best counter
 PACKAGE : Ward No 09: 03. 03.
 Client : BBMP Bengaluru
 Contractor : M/S TRIDH.
 Consultant : VSR CIVIL INFRA PVT. LTD. Bengaluru

Location	: @ Site	Age of the Cube	: 7 Days
Part of the Structure	:	Date of Casting	: 02/01/2020
Grade of Concrete	: M20.	Date of Testing	: 09/01/2020

S.No	Cube No.	Weight of the Cube (g)	Size of the cube (cm x cm x cm)	Vol. of the cube (cm ³)	Test area (cm ²)	Failure Load (kN)	Compressive Strength (N/mm ²)	Average Compressive Strength (N/mm ²)
1	A	8200	15X15 X15	3375	22.5	410.	18.22	17.55 17 N/mm ²
2	B	8300	15X15 15X15	3375	22.5	380.	16.88	
3	C.	8400.	15X15 X15	3375	22.5	395	17.55	
4								
5								
6								

Average Strength = 17.55 N/mm²

Remarks: Test Confirmed by the MORTH Specification.



Contractor Representative

Client Representative

[Signature]

[Signature]
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ಯಲಕಂಠ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಕೆ. ಬೆಂಗಳೂರು-199

VSR CIVIL INFRA PVT. LTD.
#552/B, 6th Main Road, Hanumantanagar
Bengaluru-560019000

NAME OF THE WORK: Construction of Dep Drains & Culverts @ Bell County
II & III S.G. Ramaiah layout, Sai Archid & Surrounding area
PACKAGE : Ward No: 03.
Client : BBMP Bengaluru
Contractor : M/S KRIDL
Consultant : VSR CIVIL INFRA PVT. LTD. Bengaluru

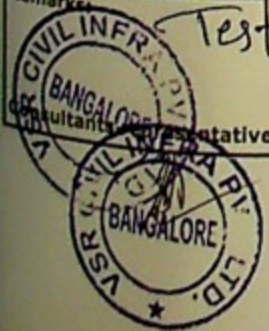
Location	: @ Site	Age of the Cube	: 7 Days
Part of the Structure	:	Date of Casting	: 02/01/2020
Grade of Concrete	: M-20	Date of Testing	: 09/01/2020

S.No	Cube No.	Weight of the Cube (g)	Size of the cube (cm x cm x cm)	Vol. of the cube (cm ³)	Test area (cm ²)	Failure Load (kN)	Compressive Strength (N/mm ²)	Average Compressive Strength (N/mm ²)
1	A	8200	15X15 X15	3375	22.5	400.	17.77	17.62 kN/mm ²
2	B	8210	15X15 X15	3375	22.5	380.	16.88	
3	C	8310	15X15 X15	3375	22.5	410.	18.22	
4								
5								
6								

Average Strength = 17.62 kN/mm²

Remarks

Test Conformed by the MORTH Specification



Contractor Representative

Client Representative

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 ಬಿ.ಬಿ.ಎಂ.ಕೆ. ಬೆಂಗಳೂರು-106

VSR CIVIL INFRA PVT. LTD.
#552/B, 6th Main Road, Hanumantanagar
Bengaluru-560019000

NAME OF THE WORK: Construction of RCC Drain & Culvert @ Best Country
II & III S. G. Ramiah layout, Sai orchid & surrounding area.
PACKAGE : Ward No: 03
Client : BBMP Bengaluru
Contractor : M/S KSRIDL
Consultant : VSR CIVIL INFRA PVT. LTD. Bengaluru

Location	: @ Site	Age of the Cube	: 7 Days.
Part of the Structure	:	Date of Casting	: 02/01/2020
Grade of Concrete	: M20	Date of Testing	: 09/01/2020

S.No	Cube No.	Weight of the Cube (g)	Size of the cube (cm x cm x cm)	Vol. of the cube (cm ³)	Test area (cm ²)	Failure Load (kN)	Compressive Strength (N/mm ²)	Average Compressive Strength (N/mm ²)
1	A	8000	15x15x15	3375	22.5	380.	16.89.	17.48. kN/mm ²
2	B	8150.	15x15x15	3375	22.5	410.	18.22	
3	C.	8200.	15x15x15	3375	22.5	390.	17.33	
4								
5								
6								

Average Strength = 17.48 kN/mm²

Remarks: Test confirmed by the MORTH Specification.



Contractor Representative

Client Representative

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ಯಶವಂತ ಉಪನಗರ ಉಪವಿಭಾಗ,
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VSR CIVIL INFRA PVT. LTD.
#552/B, 6th Main Road, Hanumantanagar
Bengaluru-560019000

NAME OF THE WORK: Construction of RCC drains & Culverts @ Best
 party II & III & c. Ramachandra Layout, Sai archid surrounding area
PACKAGE : 9 u 10.00.06

Client : BBMP Bengaluru
Contractor : M/S KRIDL
Consultant : VSR CIVIL INFRA PVT .LTD. Bengaluru

Location	: @ Site	Age of the Cube	: 7 Days
Part of the Structure	:	Date of Casting	: 02/01/2020
Grade of Concrete	: M20	Date of Testing	: 09/01/2020

S.No	Cube No.	Weight of the Cube (g)	Size of the cube (cm x cm x cm)	Vol. of the cube (cm ³)	Test area (cm ²)	Failure Load (kN)	Compressive Strength (N/mm ²)	Average Compressive Strength (N/mm ²)
1	A	8205	15x15 x 15	3375	22.5	400	17.77	17.32 KN/mm ²
2	B	8155	15x15 x 15	3375	22.5	390	17.33	
3	C	8150	15x15 x 15	3375	22.5	380	16.88	
4								
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6								

Average Strength = 17.32 KN/mm²

Remarks:- Test Confirmed by the MORTH Specification.

Contractor Representative

Contractor Representative

Client Representative



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VSR CIVIL INFRA PVT. LTD.
#552/B, 6th Main Road, Hanumantanagar
Bengaluru-560019000

NAME OF THE WORK: Construction of RCC ducts & Culverts @ best quality
 & for Ramorah layout & surrounding area in W.O.03

PACKAGE :
Client : BBMP Bengaluru
Contractor : M/S KRIDL
Consultant : VSR CIVIL INFRA PVT .LTD. Bengaluru

Location	: @ Site	Age of the Cube	: 7 Days
Part of the Structure	:	Date of Casting	: 03/01/2020
Grade of Concrete	: M20	Date of Testing	: 10/01/2020

S.No	Cube No.	Weight of the Cube (g)	Size of the cube (cm x cm x cm)	Vol. of the cube (cm ³)	Test area (cm ²)	Failure Load (kN)	Compressive Strength (N/mm ²)	Average Compressive Strength (N/mm ²)
1	A	8200	15x15x15	3375	22.5	400	17.77	17.32 kN/mm ²
2	B	8215	15x15x15	3375	22.5	390	17.33	
3	C	8180	15x15x15	3375	22.5	380	16.88	
4								
5								
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Average Strength = 17.32 kN/mm²

Remarks:- Test performed by the NORTH Specification

Consultants representative

Contractor Representative

Client Representative



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VSR CIVIL INFRA PVT. LTD.
#552/B, 6th Main Road, Hanumanthanagar
Bengaluru-560019000

NAME OF THE WORK: Construction of RCC drains & culverts @ Best County
 & Tuber Pannaloh layout & surrounding area in W.No.03

PACKAGE :
Client : BBMP Bengaluru
Contractor : M/S KRIDL
Consultant : VSR CIVIL INFRA PVT .LTD. Bengaluru

Location :	@ Site	Age of the Cube :	7 Days
Part of the Structure :		Date of Casting :	03/01/2020
Grade of Concrete :	M20	Date of Testing :	10/01/2020

S.No	Cube No.	Weight of the Cube (g)	Size of the cube (cm x cm x cm)	Vol. of the cube (cm ³)	Test area (cm ²)	Failure Load (kN)	Compressive Strength (N/mm ²)	Average Compressive Strength (N/mm ²)
1	A	8210	15x15x15	3375	22.5	405	18.00	17.40 kN/mm ²
2	B	8180	15x15x15	3375	22.5	380	16.88	
3	C	8250	15x15x15	3375	22.5	390	17.33	
4								
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Average Strength = 17.40 kN/mm²

Remarks:-

Test Confirmed by the NORTH Specification



Contractor Representative

Client Representative

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VSR CIVIL INFRA PVT. LTD.
#552/B, 6th Main Road, Hanumantanagar
Bengaluru-560019000

NAME OF THE WORK: Construction of RCC Drain & Culverts @ Best country
with S.G. Ramiah layout. Sai Archid surrounding area.
CKAGE : Wood No: 03
Client : BBMP Bengaluru
Contractor : M/S ARTIDL.
Consultant : VSR CIVIL INFRA PVT .LTD. Bengaluru

Location	: @ Site	Age of the Cube	: 7 Days.
Part of the Structure	:	Date of Casting	: 03/01/2020
Grade of Concrete	: M20.	Date of Testing	: 10/01/2020

S.No	Cube No.	Weight of the Cube (g)	Size of the cube (cm x cm x cm)	Vol. of the cube (cm ³)	Test area (cm ²)	Failure Load (kN)	Compressive Strength (N/mm ²)	Average Compressive Strength (N/mm ²)
1	A	8150.	15X15X15	3375	22.5	395	17.55	17.84 kN/mm ²
2	B	8400.	15X15X15	3375	22.5	400	17.77.	
3	C	8200	15X15X15	3375	22.5	410	18.22	
4								
5								
6								

Average Strength = 17.84 kN/mm²

Remarks:- Test confirmed by the MORTH Specification



Contractor Representative

Client Representative

[Signature]

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VSR CIVIL INFRA PVT. LTD.
#552/B, 6th Main Road, Hanumanthanagar
Bengaluru-560019000

NAME OF THE WORK: Construction of RCC drains & Culverts @ Best
County H & W & C. Ramiah layout, Sri Anand Subbalingappa

PACKAGE :
Client : **BBMP Bengaluru**
Contractor : **M/S KRIDL**
Consultant : **VSR CIVIL INFRA PVT. LTD. Bengaluru**

Location	:	<u>@ Site</u>	Age of the Cube	:	<u>28 Days</u>
Part of the Structure	:		Date of Casting	:	<u>02/01/2020</u>
Grade of Concrete	:	<u>M20</u>	Date of Testing	:	<u>30/01/2020</u>

S.No	Cube No.	Weight of the Cube (g)	Size of the cube (cm x cm x cm)	Vol. of the cube (cm ³)	Test area (cm ²)	Failure Load (kN)	Compressive Strength (N/mm ²)	Average Compressive Strength (N/mm ²)
1	A	8210	15*15 * 15	3375	22.5	501	22.26	22.20 kN/mm ²
2	B	8160	15*15 * 15	3375	22.5	486	21.60	
3	C	8290	15*15 * 15	3375	22.5	512	22.75	
4								
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Average Strength = 22.20 kN/mm²

Remarks:

Test Confirmed by the North Specification



Client Representative

Contractor Representative

Client Representative

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ಇದರ ಕಾರ್ಯಪಾಲಕ ಅಧಿಕಾರಿಗಳು
ಇದರ ಕಾರ್ಯಪಾಲಕ ಅಧಿಕಾರಿಗಳು-106

NAME OF THE WORK: Construction of RCC drains & culverts @ Best
Package II & III & in Ramachandra layout, Sai archid & surrounding area
Client: BBMP Bengaluru
Contractor: M/S KRIOL
Consultant: VSR CIVIL INFRA PVT. LTD. Bengaluru

Location: @ Site
Age of the Cube: 28 Days
Part of the Structure:
Date of Casting: 03/01/2020
Grade of Concrete: M30
Date of Testing: 31/01/2020

S.No	Cube No.	Weight of the Cube (g)	Size of the cube (cm x cm x cm)	Vol. of the cube (cm ³)	Test area (cm ²)	Failure Load (kN)	Compressive Strength (N/mm ²)	Average Compressive Strength (N/mm ²)
1	A	8210	15 x 15 x 15	3375	22.5	484	21.51	21.93 KN/mm ²
2	B	8250	15 x 15 x 15	3375	22.5	491	21.82	
3	C	8295	15 x 15 x 15	3375	22.5	506	22.48	
4								
5								
6								

Average Strength = 21.93 KN/mm²

Just Confirmed by the MORTH Specification.
Contractor Representative
Client Representative



Signature of Contractor Representative

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ಮಾನ್ಯತೆಗೆ ಉಪನ್ಯಾಸ.
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VSR CIVIL INFRA PVT. LTD.
#552/B, 6th Main Road, Hanumanthanagar
Bengaluru-560019000

NAME OF THE WORK: Construction of RCC drains and Culverts @ Best
County II and III & in Ramolah layout, Sai Archid & surrounding
area in U.no 3, Yelahanka
Satellite sub division

PACKAGE :
Client : BBMP Bengaluru
Contractor : M/S KRIOL
Consultant : VSR CIVIL INFRA PVT. LTD. Bengaluru

Location : @ Site Age of the Cube : 28 Days
Part of the Structure : Date of Casting : 03/01/2020
Grade of Concrete : M20 Date of Testing : 31/01/2020

S.No	Cube No.	Weight of the Cube (g)	Size of the cube (cm x cm x cm)	Vol. of the cube (cm ³)	Test area (cm ²)	Failure Load (kN)	Compressive Strength (N/mm ²)	Average Compressive Strength (N/mm ²)
1	A	8250	15x15x15	3375	22.5	489	21.73	22.51 kN/mm ²
2	B	8195	16x15x15	3375	22.5	510	22.66	
3	C	8215	15x15x15	3375	22.5	521	23.15	
4								
5								
6								

Average Strength = 22.51 kN/mm²

Test Confirmed by the North Specifications



Representative

Contractor Representative

Client Representative

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ಬೆಂಗಳೂರು-106